

## **CLAIMS**

**What I claim is:**

**1. (Currently amended)**

**The invention is a manual apparatus for use by an operator to slice a potato into a uniformly thin continuous spiral slice, the slice for frying as a ~~potato chip~~ potato-chip with the apparatus requiring both hands to operate to safely cut the potato slice, with both hands being away from ~~[[the]]~~ a sharp blade 1 and ~~[[the]]~~ rotating driver teeth 16 during cutting and comprising:**

**a fixed vertical blade 1 attached to a blade support 6, the blade support 6 being attached to a ~~[[the]]~~ base1, and the blade angled horizontally 20 degrees from perpendicular to the centerline of ~~[[the]]~~ a drive spindle 2 with the blade 1 sharpened on one side for cutting;**

**a pilot pin 5 extending through a hole in the blade 1, the pilot pin 5 being in alignment with the drive spindle 2**

centerline and secured in position by a lock nut 15, the farthest end of the pilot pin 5 being connected to the blade support 6 and the nearest end of the pilot pin 5 functioning to support and position a potato at a [[the]] cutting edge of the blade 1, and with the pilot pin 5 adjusted to contact [[the]] a forward end of the drive spindle 2 and prevents [[the]] driver teeth 16 from contacting the blade 1 at the end of the slice;

a drive support 7 which is attached to the base 8, serves as a means for positioning the drive spindle 2 with the centerline of the drive spindle 2 the same centerline location above the base 8 as that of the pilot pin 5;

a means for manual cranking with a crank handle 4 on the end of a threaded, American Standard Uniform Thread Form 3/8 inch 16 threads per inch drive spindle 2, in a clockwise direction, rotating a potato for cutting;

~~engaged by the driver on the spindle end which engages  
the nearest end of the potato, and the potato supported  
by a pilot in the potato's farthest end, and which produces  
a rotation of said potato and longitudinal motion in a  
forward direction with the potato contacting the fixed  
blade to produce a continuous spiral slice approximating  
.0625 inch thickness;~~

a drive nut guide 11 with a drive nut 10 assembled to it,  
positions the drive nut 10 adjacent to the drive spindle 2  
and applies manual pressure on the drive nut 10, engages  
the drive nut 10 threads to the drive spindle 2 threads  
through a window opening 17 in the drive support 7,  
causing forward motion of the rotating drive spindle 2,  
the drive spindle 2 being assembled internal to the drive  
support 7;

the driver 3 has four flat teeth 16 of 7/16 inch length  
and is assembled at the forward end of the drive spindle 2

and secured by a lock nut 12, the driver teeth 16 penetrate[[s]] a potato and transfer[[s]] the forward and rotary motion of [[the]] the hand cranked drive spindle 2 to the potato thus forcing it into the ~~sharp~~ cutting edge of the ~~cutting sharp~~ blade 1 [[;]] to produce a continuous spiral slice approximating .0625 inch thickness;

the base 8 for mounting of the blade support 6 and drive support 7 sub-assemblies utilizes four rubber support legs 9 and two metal spring-type counter stop arms 14 to stabilize the apparatus in use on a table or counter top and during use of the apparatus the support legs 9 and counter stop[[s]] arms 14 provide a means by which the apparatus remains stationary on a counter top or table with downward left hand pressure and forward right hand cranking pressure during cutting of a potato requiring significant torque to accomplish the spiral slice cut, and avoiding the use of clamps or suction cup devices for the apparatus to remain in a stationary position and

additionally the counter stop arms 14 prevent the ~~crank~~  
handle 4 from contacting the counter top or table on  
which ~~[[it]]~~ the apparatus is positioned as it ~~[[the]]~~  
~~apparatus~~ nears the end of a cut.